



Siplex® Solar

Laminated safety glasses with special properties

Liquid crystal (LC) displays and information displays as well as e-ink-displays require special protection, especially if they are used outdoors:

Over time, ultraviolet radiation bleaches out the colours. As well as this, the heat-producing effect of infra red radiation has a negative effect on the liquid crystals and considerably reduces the life of the screens.

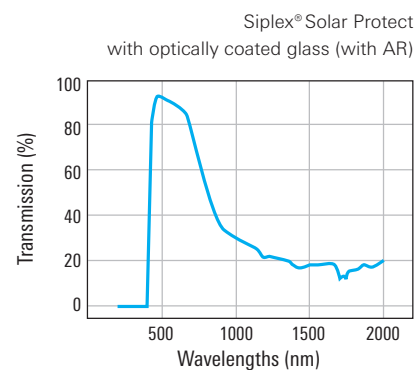
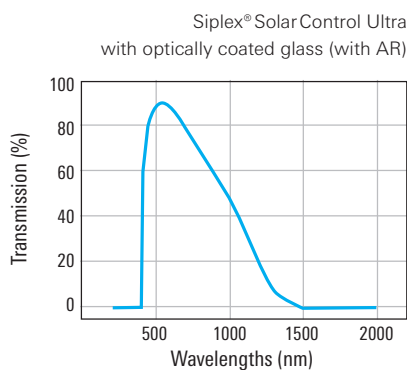
Siplex® SolarControl Ultra and **Siplex® Solar Protect** optimally protect your displays against this, both indoors and outdoors.

Due to the combination with special heat absorbing plastic films, these glasses prevent unwanted radiation effects without producing annoying reflections, and at the same time have high transmission levels (T>93%) in the visible wavelength range.

In addition, Siplex® laminated safety glass is unbreakable and splinter-free according to EN 12543, so that your displays are effectively protected against vandalism.



If required, Siplex® can be supplied as impact resistant as per DIN 18032.



	Solar Control Ultra	Solar Protect	Solar Control Ultra	Solar Protect
Wavelength	Transmission		Filter effect	
UV-Range 380 - 400 nm	<1%	<1%	>99%	>99%
VIS-Range 450 - 650 nm	>90%	>90%		
IR-Range 780 nm	70%	55%	30%	45%
IR-Range 1000 nm	48%	30%	52%	70%
IR-Range 1300 nm	8%	21%	92%	79%
	Minimum thickness 2,8 mm			